

Rat TGF beta 2 ELISA Kit | TGFB2 elisa kit

Rat TGF beta 2 ELISA Kit

CATALOG # AAA105536	REACTIVITY Rat	APPLICATIONS ELISA
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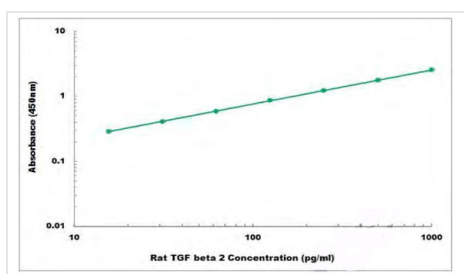
PRODUCT SYNONYMS

TGF beta 2; Rat TGF beta 2 ELISA Kit; Transforming growth factor beta-2; TGF-beta-2; BSC-1 cell growth inhibitor; Cetermin; Glioblastoma-derived T-cell suppressor factor; G-TSF; Polygerin; TGFB2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	The Rat TGF beta 2 ELISA Kit allows for the detection and quantification of endogenous levels of natural and/or recombinant Rat TGF beta 2 proteins within the range of 15.6 pg/ml - 1000 pg/ml.
Sequence Length	442
Samples	Culture Supernatants, Serum, Plasma, Tissue Homogenates, Urine
Sensitivity	< 7 pg/ml
Applicable Applications for TGFB2 elisa kit	ELISA (Sandwich ELISA)
Detection Method	Colorimetric
Preparation and Storage	Shipped and store at 4 degree C for 6 months, store at -20 degree C for one year. Avoid freeze/thaw cycles.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for TGFB2 elisa kit	Background: Transforming growth factor-beta 2 (TGF-beta 2) is a secreted protein known as a cytokine that performs many cellular functions and has a vital role during embryonic development. This gene is mapped to 1q41. It is an extracellular glycosylated protein. It is known to suppress the effects of interleukin dependent T-cell tumors. TGF-beta 2 is present at elevated levels in the aqueous humor of patients with primary open angle glaucoma (POAG). Studies have shown that TGF-beta 2 influences cultured trabecular meshwork cells, and it reduced outflow facility when perfused into cultured human anterior segments. In POAG, elevated expression of Gremlin by TM cells inhibited BMP4 antagonism of TGF-beta 2 and led to increased extracellular matrix deposition and elevated IOP. Principle of the Assay: The AAA Biotech' Rat TGF beta 2 ELISA (Enzyme-Linked Immunosorbent Assay) kit is an in vitro enzyme-linked immunosorbent assay for the quantitative measurement of Rat TGF beta 2 in Cell Culture Supernatants, Serum, Plasma. This assay employs an antibody specific for Rat TGF beta 2 coated on a 96-well plate. Standards and samples are pipetted into the wells and TGF beta 2 present in a sample is bound to the wells by the immobilized antibody. The wells are washed and biotinylated anti-Rat TGF beta 2 antibody is added. After washing away unbound biotinylated antibody, HRP-conjugated streptavidin is pipetted to the wells. The wells are again washed, a TMB substrate solution is added to the wells and color develops in proportion to the amount of TGF beta 2 bound. The Stop Solution changes the color from blue to yellow, and the intensity of the color is measured at 450 nm.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	13592109
NCBI GeneID	81809
NCBI Accession #	NP_112393.1
NCBI GenBank Nucleotide #	NM_031131.1
UniProt Accession #	Q07257; Q63574; Q9QW26; Q9R281; Q9R298; Q9R2B8; Q9WUQ8
Molecular Weight	47,728 Da
NCBI Official Full Name	transforming growth factor beta-2
NCBI Official Synonym Full Names	transforming growth factor, beta 2
NCBI Official Symbol	Tgfb2
NCBI Official Synonym Symbols	TGF-B2
NCBI Protein Information	transforming growth factor beta-2; TGF-beta-2; TGF beta 2 protein
UniProt Protein Name	Transforming growth factor beta-2
UniProt Gene Name	Tgfb2
UniProt Synonym Gene Names	TGF-beta-2; LAP
UniProt Entry Name	TGFB2_RAT

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/tgfb2-rat-elisa-kits/tgf-beta-2/105536>